

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1-9 (Canceled).

10. (Currently Amended) A method for localizing one or more sources, each source (emitters) being in motion relative to a network of sensors, the method comprising the steps of:

separating the sources in order to identify the direction vectors associated with the response of the sensors to a source at a given incidence, said incidence angles varying depending [[to]]on the position of the sensors network of relative to said sources;

associating direction vectors $a_{1m} \dots a_{Km}$ obtained for the m^{th} transmitter and respectively at the instants $t_1 \dots t_K$, are associated during a period Dt in order to separate the different sources for each instant $t_1 \dots t_K$, said incidence angles varying depending [[to]]on the position of the sensors network of relative to said sources;

wherein the direction vectors $a_{1m} \dots a_{Km}$ obtained for the mobile sources and respectively for the instants $t_1 \dots t_K$ are associated during a period Dt in order to separate the different sources for each instant $t_1 \dots t_K$, the position (x_m, y_m, z_m) of the mobile emitter is directly localized from the vectors $a_{1m} \dots a_{Km}$ associated to a same emitter, one emitter being obtained from the different instants $t_1 \dots t_K$.